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Colour TV
Service Manual

CHASSIS: 3Y11

MODEL: CT-21PX9CP

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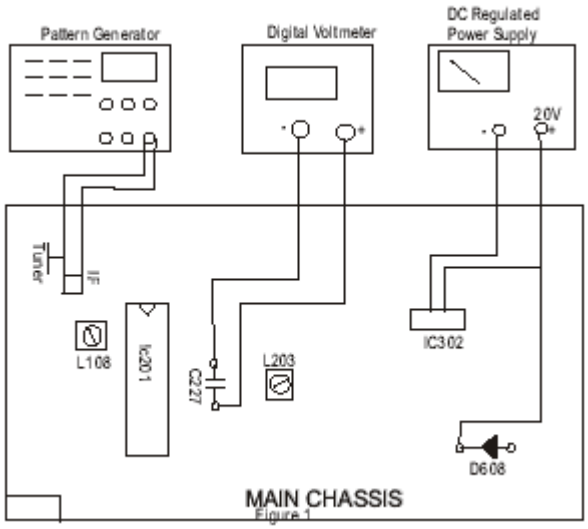
MAIN CHASSIS ADJUSTMENT

1. Tuner AGC terminal connects to GND. Pattern Generator (set signal generator RF output level to 100Bu. If it can not obtain 100dBuv, set level to MAX) outputs 38.9MHz R.F. signal and connects to tuner IF output terminal or pin 5 of saw filter.
2. Connect Digital voltmeter across C227. DC Regulated power supply positive terminal output +20V to pin 1 of IC302 and negative terminal of D608. DC regulated power supply negative.

PIF Adjustment (38.9M Figure 1)



1. Tuner AGC terminal connects to GND. Connect Sweep signal generator (set Sweep signal generator output level to 100dBuv. If it can not obtain 100dBuv, set Level to MAX) to tuner IF output terminal. Sweet oscilloscope V-IN terminal connects to C109 and connect Q102 B pole to the power terminal of R104 through a 10K resistor (shown in figure 2)
2. Apply +20VDC across IC302, viz C320 Positive terminal as shown in figure 2.
3. Adjust L108 to obtain waveform as below.

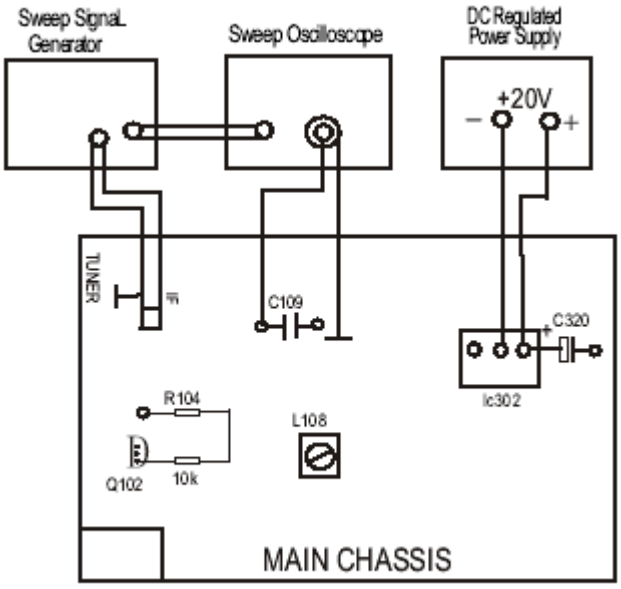
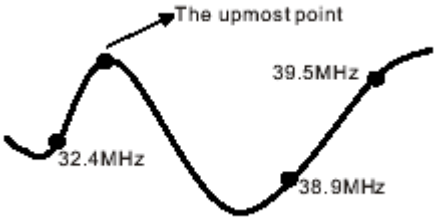


Figure 2



B+ Adjustment (VR601)

1. Disconnect horizontal load. Connect a light bulb (100W) AC250V across C321).
2. Connect 220V AC 50/60Hz to CN601 and switch on power switch.
3. Test the voltage with digital meter between C321 two terminals.
4. Adjust VR601 to obtain +110V +/-0.5V.

Factory Mode Adjustment

1. Press “MENU” key twin, till the “PICTURE MENU” appears, then press “Q. VIEW” key. “MUTE” key to turn on CPU. “TV SET” will go to factory mode. Press “TIMER” key “TO” go to the next Factory menu. Go to “MENU3” status by this means.
2. Press “MENU” key to exit factory mode.

AGC Adjustment

1. Receive 60dB +/-dB therefore signal. Connect Digital volmeter positive terminal to AGC terminal of Tuner and negative terminal to GND.
2. Go to MENU 3 status according to FACTORY MODE ADJUSTMENT.
3. Select RF. AGC by pressing CH+ or PROG+ keys. Adjust VOL + and VOL – key to obtain 4V DIGITAL voltage meter reading.
4. Press MENU key to exit factory mode.

COMPLETE SET GENERAL ADJUSTMENT

Focus Adjustment

1. Receive monoscope pattern.
2. Set TV to work in dynamic status.
3. Adjust the focus knob of FBT to get the clearest picture.

Screen Voltage Adjustment

1. Go to factory mode MENU2 status according to AGC adjustment (2).
2. Select V-KILL by pressing CH+ or PROG+ and CH- or PROG- KEYS.
3. Press VOL+ key all the time, adjust screen of FBT to get a horizontal faintness beam line. Then Loose VOL+.

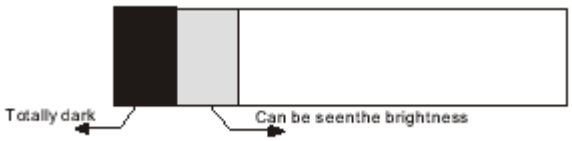
White Balance Adjustment (Applied When Servicing)

1. Set the TV set to AV mode. Receive black white pattern (color temperature test pattern).
2. Put test probe 1 of CRT color analyzer (CA-100) on the low bright area and the test probe 2 on the high bright area. Adjust and contrast to get 5 nit of low bright area and 80nit of high bright area.
3. Go to factory mode MENU2 according to AGC adjustment (2). Obtain low bright area to X=281 and Y=311 by adjusting R.bias and B.bias. Obtain both area to X=? and Y=? by adjusting the two status repeatedly.

Note: The values of X & Y maybe changed by the favour of customer.

Sub-bright Adjustment

1. Receive GREY SCALE signal.
2. Set TV normal mode.
3. Go o factory mode, adjust sub-bright option to make the picture same as below.



Vertical Size And Pincushion Adjustment

1. Receive monoscope pattern. Set TV standard status. Adjust V.size to obtain picture vertical redisplay ratio more than 90% in factory mode MENU1.
2. Receive cross hatch pattern. Set TV standard status. Adjust V.LINE and V.SC to obtain picture vertical pin cushion a good status in factory mode MENU1.
3. Receive cross hatch pattern. Set Tv standard status. In factory mode MENU1 adjust V.POSITION to obtain picture vertical center of CRT screen.

Horizontal Center Adjustment

Receive PHILIPS pattern. Set TV standard status. Adjust H.PHASE to obtain horizontal center at the center of CRT screen.

Secam color decoder alignment

Receive the GREY SCALE/COLOR BAR signal. Enter into the factory mode. Adjust the valuse of secam R-Y DC and Secam B-Y DC to make the gray scale to the normal color.

Pure flat tube alignment

Horizontal size and pincushion distortion must be adjusted in pure flat tube as following:

1. Receive mono scope pattern. Adjust VR902 until redisplay ratio is correct.
2. 2.Receive cross hatch pattern signal. Adjust Vr901 until the erect klines of the CRT two sides are most straight.

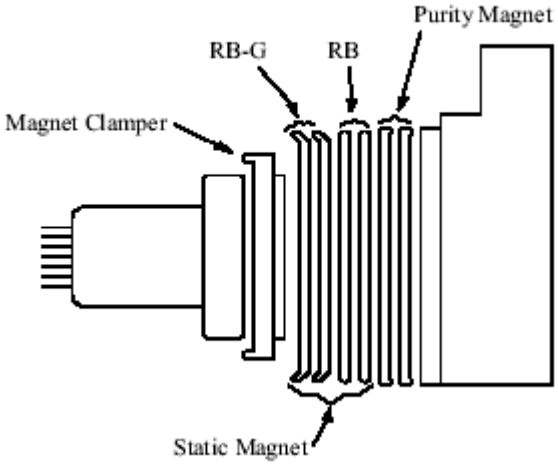
PURITY AND CONVERGENCE ADJUSTMENT

Color Purity Adjustment

1. Before color purity adjustment, warm up the TV set over 15 minutes and fully degauss.
2. Receive pure white signal in AV status and set the TV receiver dynamic.
3. Go to factory mod MENU2. After write down the values of R-BIAS and B-BIAS, set the values of R-BIAS and B-BIAS zero.
4. Loosen the clamp screw of the deflection yoke and pull the deflection yoke towards color purity Magnetic loop.
5. Adjust color purity magnetic loop to make the green area at the center of CRT screen.
6. Slowly push the deflection yoke toward the front of CRT and set it where a uniform green field is obtained. Tighten the clamp screw of the deflection yoke.
7. Restore the values of R-BIAS, G-BIAS AND B-BIAS.

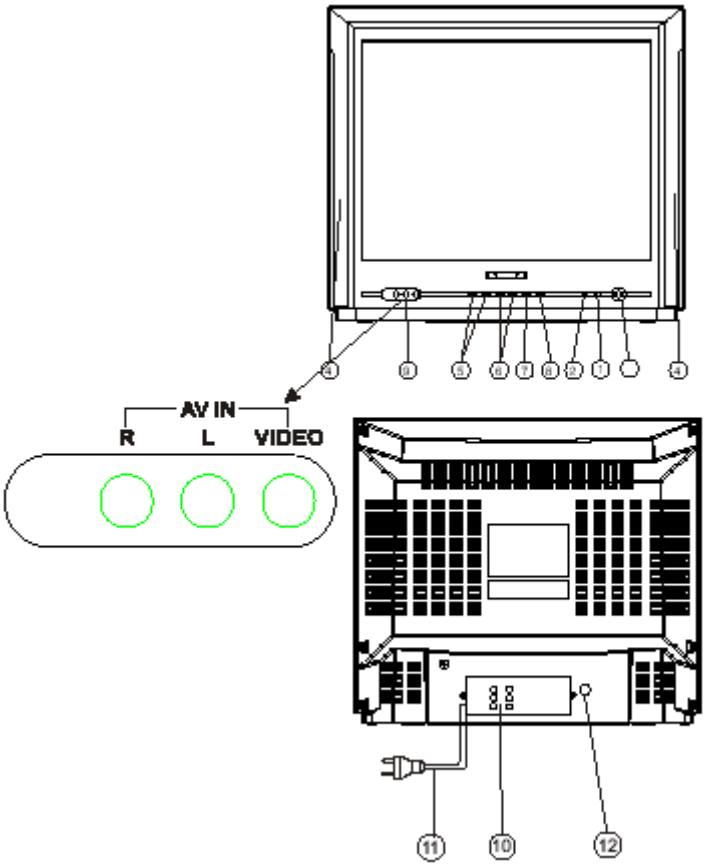
Convergence Adjustment

1. Receive a dotted pattern. Set the TV receiver dynamic.
2. Loose the convergence magnet clamper and align red with blue dots at the center of the screen by rotating (R, B) static convergence magnets.
3. Align Red/Blue with green dots at the center of the screen by rotating (RB-G) static convergence magnet.
4. Remove the DY wedges and slightly tilt the deflection yoke horizontally and vertically to obtain the good overall convergence. Fix them after the goob overall convergence got.
5. Fix purity error is found, follow PURITY ADJUSTMENT instructions.



CONTROL LOCATION

1. Remote Sensor
2. Power Indicator
3. Main Switch
4. Speakers
5. Program Down & Up Button
6. Volume Down & Up Button
7. Menu Button
8. AV/TV Button
9. Front AV In (Option)
10. Audio/Video - In/Out Jack
11. AC Power Cord
12. Terminal Antenna (75 Ohm)

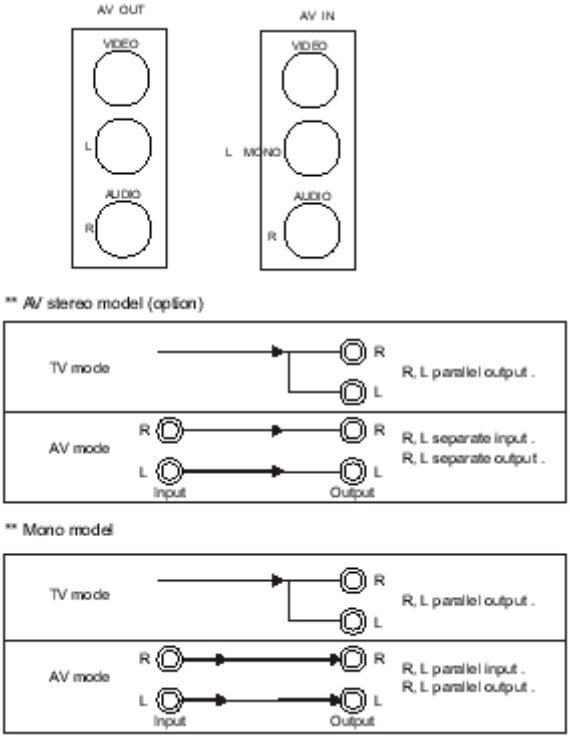


INPUT AND OUTPUT TERMINALS

VIDEO AND AUDIO INPUT/OUTPUT TERMINALS

1. Video / Audio input for playback for VCR.
2. Video / Audio monitor output.

*Please keep AC cord unplugged when connecting TV system.



**CAUTION:
Do not connect and turn on both the devices, which are connected to side AV in and rear AV in at the same time, otherwise, a distorted and interference picture will occur.

For the Mono model, during the TV reception, or AV mode connected the audio input at R, L, R&L, the speaker will output only the mono sound. And at the AV-R, L output also mono sound output only.

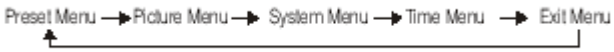
OPERATION INSTRUCTION

WARNING: The Main Power Switch (No.6 of the Control Location page) is the Manually Operated Mechanical Switch (MOMS). It is requested to Manually to turn On and Off the Main power. The Remote control can not cut off main voltage at the TV set. For safety purpose, turn off the Main Switch manually when long time not use the TV or for the long vacation. Press once will turn on the Main supply of the TV set. The Power indicator (No.6 of the Control Location page) will light up. To make sure the power is turn off, please fully press the Main switch and make sure the power indicator light off.

Turn the TV set on, then power indicator will light up. The picture will appear after a few seconds. (If tuned on) The program number is displayed on the top right-hand corner of the screen.

MENU BUTTON

1. 1.Press this button to select menu. PRESET, PICTURE, SYSTEM ,and TIME menu can be selected cyclically.

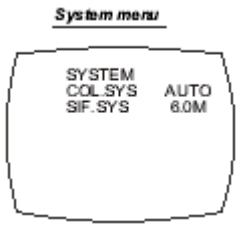


2. 2.After enters each menu, you can select the item which you will adjust by PROG.+/- buttons, and adjust this item by VOL. +/- buttons.

*The item which you select will change blue.

1. CHANNEL
   In this item, you can store the channel number which are watching, and change the channel number by VOL.+/- Buttons (or number keys).
2. SKIP
   You can set "ON" by VOL.+/- Buttons if you want to cancel the channel number, which you are watching.
3. BAND
   You can select V-L, V-H or UHF.
4. ASM.SIF
   You can select 6.0M, 4.5M, 6.5M or 5.5M.
   *4.5M is only a option for some models.
5. FINE
   To tune in weak station this item must be used.
6. SEARCH
   Press VOL.+/- Buttons to start searching. The VOL- button searches for lower numbered channels; the VOL+ button for higher-numbered channels. When a TV station signal is received, the searching will stop.
7. ASM
   Press VOL.+/- Buttons, then the TV set will automatically search from V-L band to U band.

You can select BRIGHTNESS, CONTRAST, COLOR, SHARPNESS, and TINT item by PROG +/- Buttons, and adjust the item which you select by VOL.+/- Buttons.



1. COL.SYS
   You can change present color system in this item.

   AUTO___ PAL ___ SECAM ___ NTSC1___ NTSC2

**SECAM is only an option for some models.

2. SIF.SYS
   You can select 6.0M, 4.5M, 6.5M or 5.5M.

**4.5M is only an option for some models.

1. CLOCK
   You can adjust the currently time by this item. Press the VOL+ button set hour, and the VOL-button set minute.
2. TIMING
   If you set the item is TIMING ON, you can set the time of TV ON and TV OFF .
3. TV ON
   Set the time when the TV set turn on.
4. TV OFF
   Set the time when the TV set turn off.
5. AWOKE
   Selecting AWOKE ON, you can set the AWTIME item.
6. AWTIME
   Set the awake time that you want. If you set the AWTIME is 12:00. The CATCH TIME11:58:00¡± will display on the screen for awaking you .It will disappear from the screen until¡° CATCH TIME 12:00:00¡±.

SELECTING PROGRAM

Use 0-9 digit buttons to call directly on the program number that you want. If you want to select a double digits program number , firstly press "- / - -" button, then input the two digits. Program number can also be changed by "PROGRAM DOWN" and "PROGRAM UP" buttons. Press

"PROGRAM UP" button, program number will increase. Press "PROGRAM DOWN" button, program number will decrease.

CHILD LOCKED

The TV set can provide the panel key control locked or prevent your children for watching the TV set.

SET CHILD LOCKED:

Press the "LOCK" button on remote control unit. The key locked ( ) is displayed on the screen.
Then the symbol will disappear after change of the program or released child locked mode. You can not use any panel control key on the TV set while locked. Only the remote control can normal operate the TV set .The "key locked " symbol ( )is displayed on the screen when turn off the Main switch and turn on again. It can release the child lock totally by pressing "LOCK" button or press the standby to turn off the TV set and turn on again .The child lock keep locked but you can operate the TV set by remote control. Keep the remote control out of child after locked.

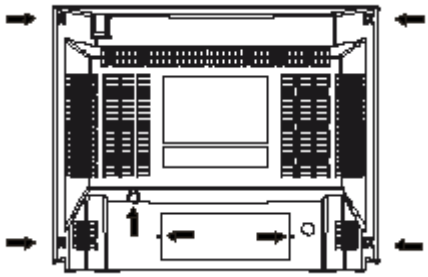
RELEASE CHILD LOCKED:

You can cancel this mode by pressing the 'LOCK" button until the "key symbol" ( ) disppear from screen .If the symbol displayed on screen then press the LOCK button once will unlock. If the symbol not displayed on screen such as after program changed or standby off and on again. Press the LOCK button twin to unlock.

MECHANICA DISASSEMBLIES

CABINET BACK REMOVAL

1. Refer to Figure 1,remove7screws.
2. Pull off cabinet back and remove.



CHASSIS REMOVAL

1. Remove cabinet back.
2. Discharge the picture tube anode (2^{nd} anode lead) to the dag coating (picture tube grounding lead).
3. Disconnect Degaussing coil socket (KE). Picture tube socket, Deflection yoke connector (KDY). Speaker connectors (KL and KR),and 2^{nd} anode lead.
4. Remove chassis completely by sliding it straight back.

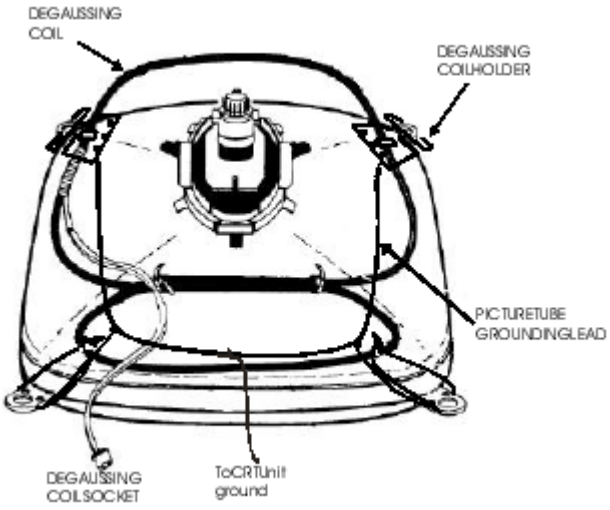
PICTURE TUBE REMOVAL

CAUTION: Do not disturb the deflection yoke or magnet assembly on the picture tube Neck.

Care must be taken to keep these assemblies intact, unless picture tube is being replaced. Discharge the picture tube to the coating before handing the Tube.

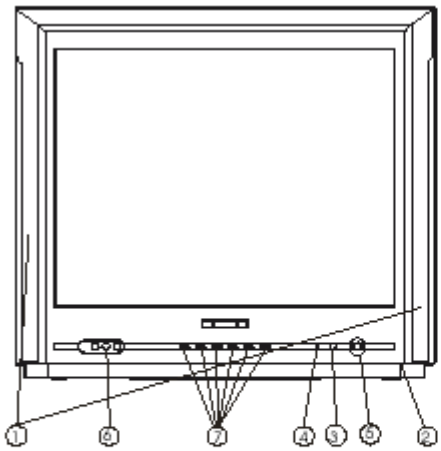
1. Remove chassis, referring to Chassis Removal instructions.
2. Place cabinet front face down on the soft surface.
3. Remove the screw one ach corner of the picture tube and GENTLY lift the picture tube out of the cabinet.
4. Install a replacement picture tube in reverse order.
5. Properly install the degaussing coil and picture tube grounding lead on the picture tube. SeeFigure2.

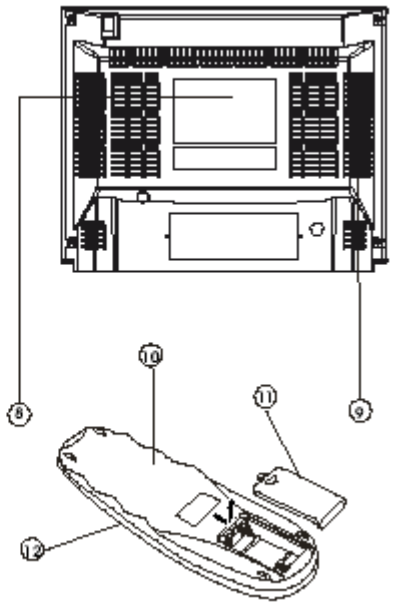
Note: If the PictureTube is being replaced, mount the Degaussing Coi l on the picture tube. See following Figure1.Cabinet Back Removal



CABINET PARTS LIST

Key No	Part No	Description
1	SK140114NZM00 1	SPEAKER GRILL-SILVE R BLUE #SB001 (PVC)
2	SK100114NZM00 2	FRONT CABINET-METAL SILVER GREY #MSG001W/A V STEREOEN G (3Y07) 94V-0
3	SK100714NZM00 0	FRONTLENS-TRANSPAREN T (REMOT E CONTROLWINDOW)
4	SK100714NZM00 0	FRONTLENS-TRANSPAREN T (LEDWINDOW)
5	SK100914NZM00 1	POWER KNOB-ELECTRO PLATIN G SILVER(ABS)
6	SK121314NZM00 1	INLAY(A) - FRONT AV METAL SILVER GREY #MSG00 1 W/3 HOLE S EN G (3Y01)
7	SK100814NZM00 1	CONTROL KEY KNOB- ELECTRO PLATIN G SILVER (ABS)
8	SK060114NZM2W 6	BACK LABEL FISHER R14H2 ENG
9	SK100214NKM00 4	BACK CABINET-DARK GREY# DG00 194V- 0 (HIPS)
10	SK1015HS08000 5	BOTTOM CABINE T-METAL SILVER GREY # MSG001 (ABS)
11	SK1016HS08000 6	BATTERY DOOR-METALSILVERGREY#MSG001(ABS)
12	SK1014HS08004 4	TOP CABINET-METAL SILVER GREY #MSG00 1 FISHER W/ Remote Control





TUNER
AGC VT U/V H/L BM IF
IC402 LA4285
IC403 LA4285
IC001 LA8633XX
IC201 LA76810
IC301 LA7840
IC701 STV5348
IC202 LA7642N
IC401 TC4053
IC404 4053
IC602 STR-6653
IC601 7805
IC204 7805
IC203 7805
IC002 ST24C04
M001
CN001 TO CONTROL BOARD
Service mode interface
SW100
SW001 SW002 SW003 SW004 SW005 SW006 SW007
SW601(B)
CN601 220V/50HZ
F601 T3.15A-AC250V
CN602
CN404 SCART
CN201
CN301
CN302
X501
V501
SP901
SP902
AV O/P
AV1 I/P
AV2 I/P
AV-OUT
V-OUT
V-IN
A/R-OUT
A/L-IN
A/R-IN
CN404-RO.LO
Q401 1815
Q402 1815
Q403 1815
Q404 1815
Q501 2482
Q502 2482
Q503 2482
Q504 1815
Q601 MZ72-10
Q602 1015
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Q999 2SC1815
Q1000 2SC1815

1.Please attention all the components with sign ⚠
2.Please attention the heat GROUND with sign ▽
3.There may be several change. All the data are only used for reference.

TITLE:	3V11 SCHEMATIC DIAGRAM
SYSTEM:	PAL/NTSC/SECAM 90-260V

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

TO CN1 BOARD

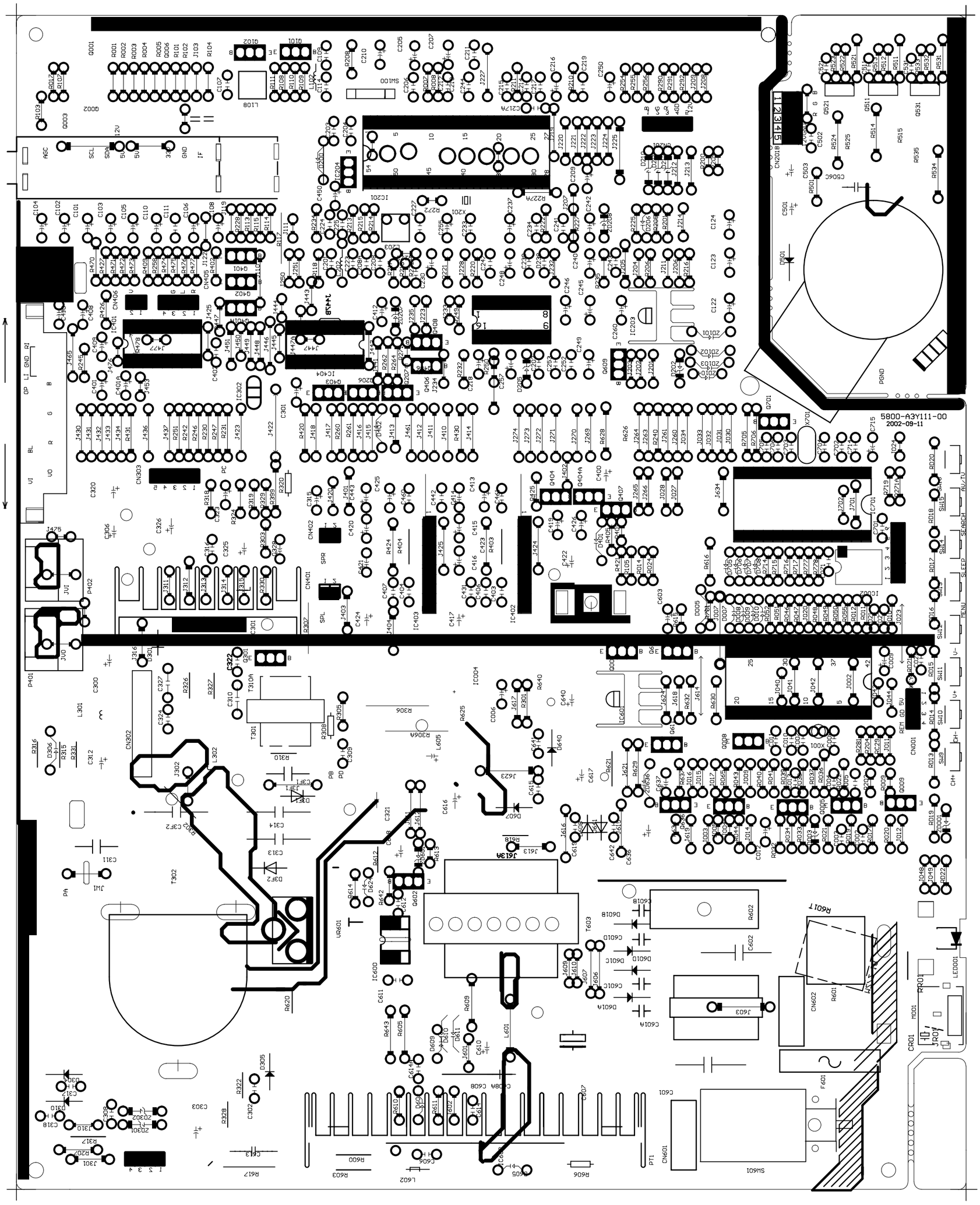
AC IN

SINK

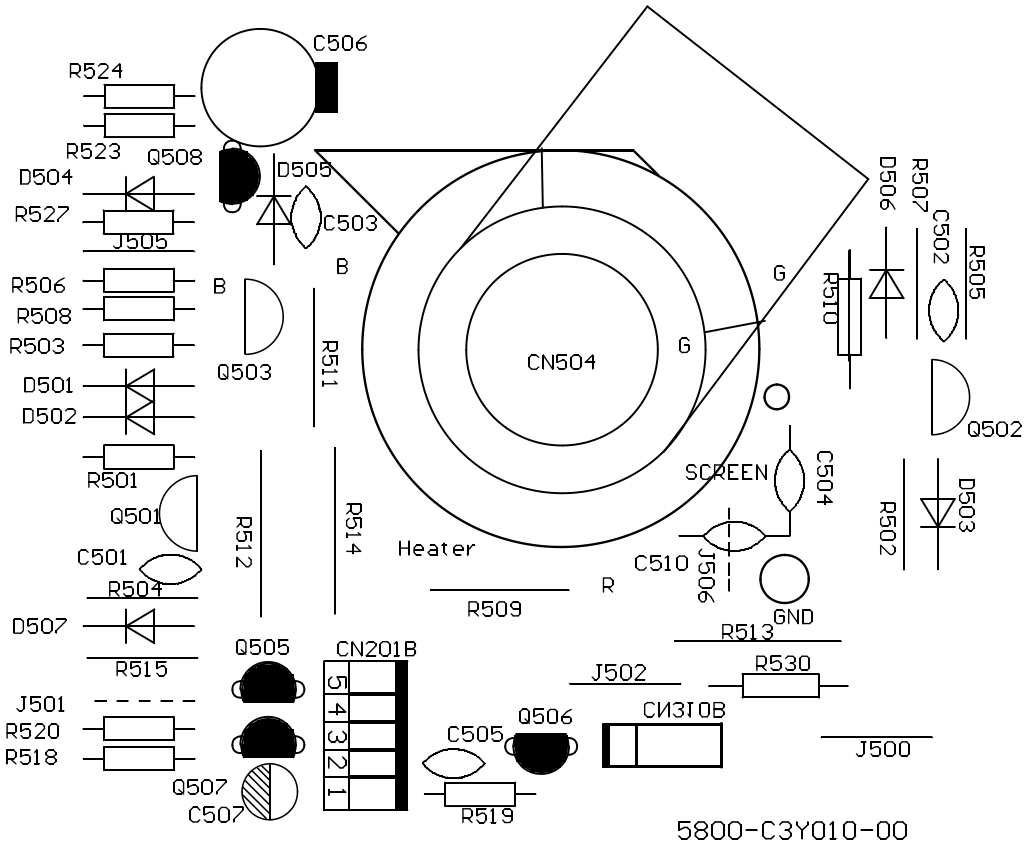
FAN

TO CN2 BOARD

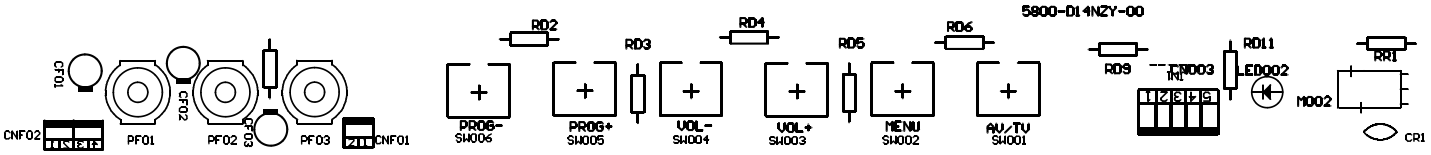
2800-6A3111-00C3XAI1


5800-A3Y111-00
2002-09-11
AGC
SCL
SDA
12V
5V
5V
3.3V
GND
IF
VI
VO
R
G
B
BL
OP
LI
GND
RI
PC
SPR
SPL
PA
PB
PD
PGND
SEARCH
AUTO
MENU
SLEEP
REM
GD
5V
CH+
CH-
V+
V-

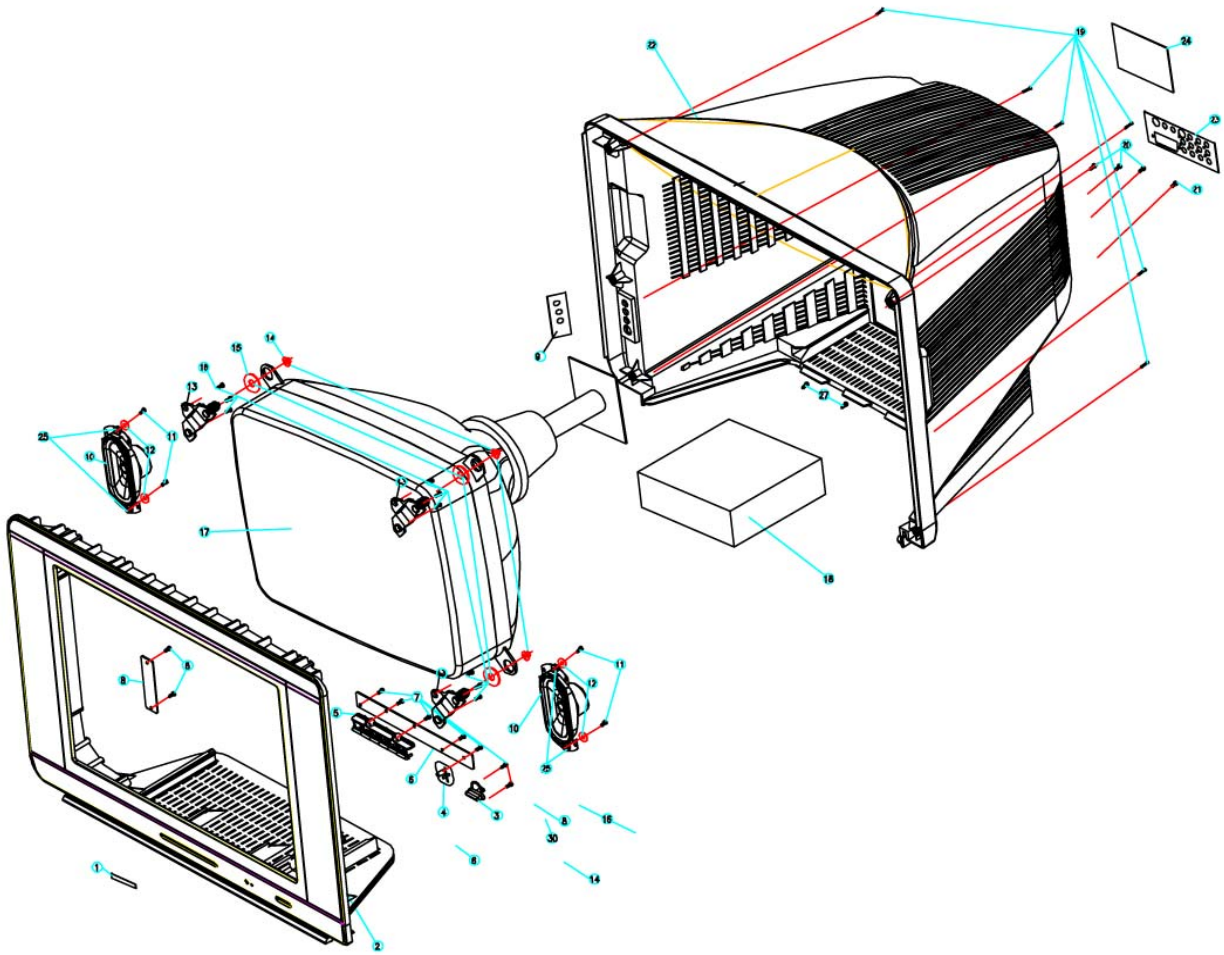
CRT PCB TOP PLATER



FRONT AV & CONTROL PCB TO PLAY



EXPLODED VIEW



PART LIST

NO	DESCRIPTION	PART NO	QTY
1	Name plate	0902-020001-01	1
2	Front cabinet	1001-21T071-01	1
3	Power knob	1009-21T070-01	1
4	Front lens	1007-21T070-01	1
5	Control key knob	1008-21T070-01	1
6	Control PCB		1
7	Screw BT3X10	26BT-030100-N0	9
8	Side AV PCB		1
9	Side AV Inlay	1213-21T070-01	1
10	Speaker		2
11	Screw WA 3.5X12	26WA-035120-N0	4
12	Fiber washer	2801-031412-F0	4
13	CRT MTG bracket	1502-028299-00	2
14	M6 nut	27MH-M60A0N-05	4
15	Rubber washer	2B01-062210-R0	4
16	Screw BA 3.5X20	26BA-035200-N0	12
17	CRT		1
18	Main PCB		1
19	Screw BA 4X20	26BA-040200-B0	6
20	Screw BA 3.5X16	26BA-035160-B0	3
21	Screw BA 4X12	26BA-040120-B0	1
22	Back cabinet	1002-21T071-01	1
23	Back AV Inlay	1205-21NS00-03	1
24	Back label	0601-21T040-01	1
25	Rubber cushion	1304-29TP00-01	4
26	LED holder	1012-216000-00	1

BOM LIST

3Y11-21T07			
NO	**PART NO**	**PART NAME**	**QTY**
1	2100012456	3Y11-21T07(HI)MAIN BOARD	1
2	2100012458	3Y11-21T07(HI) CONTROL BOARD ASS'Y	1
3	2100012460	3Y11-21T07 F.AV BOARD ASS'Y STEREO	1
4	2100012462	3Y11-21T07 SPEAKER ASS'Y FOR STEREO	1
5	0301-21T070-01	POLYFOAM END CAP.R&L (TOP&BOTTOM)	1
6	0404-000054-00	POLYBAG W100 X H95cm	1
7	0404-090140-03	POLYBAG 9″ X 14″ X 0.04 MM (PO) W/PE	1
8	0415-055065-10	BUBBLE BAG 5.5″ X 6.5″	1
9	0602-200218-00	QC PASSED LABEL (WHITE)	3
10	0602-201218-00	QC PASSED LABEL (GOLD)	1
11	1007-21T070-01	FRONT LEN - TRANSPARENT	1
12	1019-29F100-02	WIRE HOLDER DIA. 15 MM	3
13	1205-21NS00-03	INLAY - RCA JACK X 6 STEREO(3Y11)	1
14	1305-21T0B0-01	TAPE 33 X 20 X 0.15mm	4
15	1306-216000-04	TAPE LABEL 350 X 25 X 1 MM	3
16	1312-29TK00-01	RUBBER PAD	4
17	1320-29F100-01	ADHESIVED TAPE CUSHION 105 X 50 X 1 MM	2
18	1320-821800-01	ADHESIVED TAPE (TRANSPARENT) (50M/RL)	1.425
19	1502-028299-00	CRT MTG. BRACKET	4
20	1523-821800-01	STAPLE (SILVER)	8
21	1902-000150-10	GROUNDING WIRE SPRING- FOR KNITTING WIRE	2
22	2401-000400-00	CABLE TIE - L = 4″	11
23	2401-000800-01	CABLE TIE - L = 8″ W = 2.5MM	4
24	26BA-030100-N0	BA 3 X 10	9
25	26BA-035120-B0	BA 3.5 X 12 (BLACK)	1
26	26BA-035120-N0	BA 3.5 X 12	4
27	26BA-035160-B0	BA 3.5 X 16 (BLACK)	3
28	26BA-035200-N0	BA 3.5 X 20	12
29	26BA-040120-B0	BA 4 X 12 (BLACK)	1
30	26BA-040200-B0	BA 4 X 20 (BLACK)	6
31	26KA-026080-B0	KA 2.6 X 8 (BLACK)	2
32	27MH-M60A0N-05	M6 NUT	4
33	2801-031412-F0	FIBRE WASHER - DIA. 3 X 14 X 1.2 MM	4
34	2801-062220-R0	RUBBER WASHER - DIA. 6 X 22 X 2 MM	4
35	2801-062230-R0	RUBBER WASHER - DIA. 6 X 22 X 3 MM	4
36	3801-050000-00	HEAT-SHRINKABLE TUBE - DIA. 5.0MM	60
37	3803-060000-00	PVC TUBE - DIA. 6.0MM	10
38	4811-082300-00	DEGAUSSING COIL FOR 21″ TV L=2300mm	1
39	481R-082300-00	DEGAUSSING COIL FOR 21″ TV L=2300mm	1
40	4839-082300-00	DEGAUSSING COIL FOR 21″ TV L=2300mm	1
41	4852-082300-00	DEGAUSSING COIL FOR 21″ TV L=2300mm	1
42	5400-205113-01	HOUSING 01 + 380mm 1015 #20 WIRE+1060mm	1
43	5400-210302-02	HOUSING 02(VH3.96) + 300mm AC LINE H03VV	1
44	5400-250402-05	HOUSING 05 + 400mm WIRE X 4 1=RED 3=BLUE	1
45	5500-020208-00	MPS.KDC-A10-03 W/SCREW HOL E DIA. 3.2mm	1

3Y11-21T07			
NO	**PART NO**	**PART NAME**	**QTY**
46	5926-A28305-04	AC LINE CORD 2800mm VDE PLUG W/HOLDER	1
47	1001-21T071-15	F.CAB-#MSG001 W/DIGITAL SOUND 3Y11 ENG	1
48	1002-21T071-02	BACK CABINET - DARK GREY #DG001	1
49	1008-21T070-02	CONTROL KEY KNOB - #MSG001	1
50	1009-21T070-02	POWER KNOB - #MSG001	1
51	5010-51000B-03	21″IRICO C.P.T A51CPAA00X01(E)(N)P.29.1	1
52	0100-21T070-08	CARTON BOX ″AKIRA″ CT-21PX9R	1
53	0501-142200-06	WARRANTY CARD ″AKIRA″ INDONESIA	1
54	0501-21N010-03	WARRANTY CARD ″AKIRA″ RUSSIAN	1
55	0601-21T070-G4	BACK LABEL “AKIRA” CT-21PX9R ENG	1
56	0602-090218-00	X-RAY LABEL	2
57	0602-21T071-G4	SERIAL NO LABEL ″AKIRA″	3
58	0603-21NX02-G4	SCREEN LABEL “AKIRA”	1
59	0612-21T071-G4	MODEL LABEL “CT-21PX9R”	2
60	0719-21T070-09	I/B “AKIRA” CT-21PX9CP (RC13 3Y11) ENG	1
61	0801-UM4AAA-10	BATTERY UM-4AAA (EAST POWER)	2
62	0806-RC1300-23	HANDSET - 37 KEYS FOR (3Y11) #LG001 ″AKI	1
63	0902-090057-01	NAME PLATE -″AKIRA″(SMALL)	1
64	1213-21T070-01	INLAY - SIDE AV #DG001 AVIN1(V-L-R-0)	1

3Y11-21T07(HI)MAIN BOARD			
NO	**PART NO**	**PART NAME**	**QTY**
1	2100001058	3Y11(HI)AV STEREO ASS FOR RCA JACK	1
2	2100001063	3Y11(HI) AV?SWITCH ASS FOR F/REAR AV	1
3	2100001068	3Y11(HI)CRT BOARD ASS FOR 21″ 29.1mm	1
4	2100001130	3Y11(HI)SECAM ASSEMBLY	1
5	2100001197	3Y11(HI)REAR AV JACK ASS FOR RCA STEREO	1
6	2100001694	3Y11-HEAT SINK FOR IC203	1
7	2100001695	3Y11-HEAT SINK FOR IC301	1
8	2100001697	3Y11-HEAT SINK FOR IC402-3w	1
9	2100001699	3Y11-HEAT SINK FOR IC602	1
10	2100012457	3Y11-21T07(AI)MAIN BOARD	1
11	1005-21T042-01	BACK AV BRACKET-(94V-0)W/O POWER LINE	1
12	1018-500218-00	INSULATOR RING - DIA. 4.1 MM	2
13	1019-400218-00	WIRE HOLDER	2
14	2401-000400-00	CABLE TIE - L = 4″	10
15	2401-000800-01	CABLE TIE - L = 8″ W = 2.5MM	4
16	2402-000400-00	COLOUR TIE - L = 100 MM	1
17	4100-DF1540-01	METAL OXIDE FILM RESIS 150K OHM 1/2W 5%	1
18	4100-DF2210-01	METAL OXIDE FILM RESIS 220 OHM 1/2W 5%	1
19	4100-DF2230-01	METAL OXIDE FILM RESIS 22K OHM 1/2W 5%	1
20	4100-DG1040-01	METAL OXIDE FILM RESIS 100K OHM 1W 5%	1
21	4100-DG2700-01	METAL OXIDE FILM RESIS 27 OHM 1W 5%	1
22	4100-DG4710-01	METAL OXIDE FILM RESIS 470 OHM 1W 5%	1
23	4100-DH0015-01	METAL OXIDE FILM RESIS 0.15 OHM 2W 5%	1
24	4100-DH1050-01	METAL OXIDE FILM RESIS 1M OHM 2W 5%	1
25	4100-DH1530-01	METAL OXIDE FILM RESIS 15K OHM 2W 5%	1
26	4100-DH6800-01	METAL OXIDE FILM RESIS 68 OHM 2W 5%	1
27	4100-DI1030-01	METAL OXIDE FILM RESIS 10K OHM 3W 5%	2
28	4100-DI2200-01	METAL OXIDE FILM RESIS 22 OHM 3W 5%	1
29	4100-DI6830-01	METAL OXIDE FILM RESIS 68K OHM 3W 5%	1
30	4100-EG0068-01	FUSIBLE RESISTOR 0.68 OHM 1W +/-5%	1
31	4100-FH0100-00	WIRE WOUND RESISTOR 1 OHM 2W +/-5%	1
32	4128-NJ0500-10	NTC THERMISTOR RESISTOR 5D2-10	1
33	4167-HG8250-T0	HIGH-VOLT RESISTOR 8.2M OHM 1W +/-5%	1
34	4170-HG8250-01	HIGH-VOLT RESISTOR 8.2M OHM 1W +/-5%	1
35	4186-HG8250-01	HIGH-VOLT RESISTOR 8.2M OHM 1W +/-5%	1
36	4200-220200-00	SEMI-FIXED RESISTOR 2KB (H)	1
37	4300-AT102D-00	CERAMIC CAPACITOR 0.001uF 2KV +/-10%	1
38	4300-BD108E-C0	EC.1000uF 25V +/-20%(FORMED,PITCH=5mm)	2
39	4300-BE477E-C0	E.C 470uF 35V +/-20% (FORMED,PITCH=5mm)	1
40	4300-BF475E-00	EC.4.7UF 50V-100V +/-20%	1
41	4300-BH107E-C1	EC.100uF 160V +/-20%(FORMED,PITCH=7.5mm)	2
42	4300-BJ106E-T0	EC.10UF 250V +/-20%	1
43	4300-BJ475E-C0	EC.4.7UF 250V +/-20%(FORMED,PITCH=5mm)	1
44	4300-EJ563C-01	MPFC.0.056uF 250V +/-5%	2
45	4304-BL227E-00	ELECTROLYTIC CAPACITOR 220uF 400V +/-20%	1

3Y11-21T07(HI)MAIN BOARD			
NO	**PART NO**	**PART NAME**	**QTY**
46	4304-SX222E-00	SCC.0.0022uF AC250V-400V +/-20%	1
47	431W-BD228E-03	ELE CAP 2200uF 25V+-20% 105° C(16X26mm)	1
48	431W-BL227E-02	ELECTROLYTIC CAPACITOR 220uF 400V +/-20%	1
49	4324-BL227E-00	ELECTROLYTIC CAPACITOR 220uF 400V +/-20%	1
50	4328-BL227E-00	ELECTROLYTIC CAPACITOR 220uF 400V +/-20%	1
51	4338-SX222E-00	SCC.0.0022uF AC250V-400V +/-20%	1
52	4339-FW224D-00	A.C.CAPACITOR 0.22uF AC250V-500V +/-10%	2
53	4345-FW224D-01	A.C.CAPACITOR 0.22uF AC250V-500V +/-10%	2
54	4369-FW224D-02	AC CAPACITOR 0.22uF AC275V +/-10%	2
55	4500-2BYW36-T0	HSRD.BYW36/TBYW362A/600V (TAPE TYPE)	1
56	4500-2RU3YX-02	HSRD. TRU3YX 200V/2A	1
57	4500-400056-T5	ZENER DIODE 5V6 1/2W +/-5% (TAPE TYPE)	1
58	4514-120080-T0	NORMAL RECTIFIER DIODE TA20-08 2A/8002V	4
59	4514-220080-00	HSRD. TH2008 800V/2A	1
60	4700-24C080-08	I.C.24C08 8K-BIT IIC BUS EEPROM DIP	1
61	4701-T42100-04	I.C. TLP421 TOSHIBA (PHOTO TRANSISTOR)	1
62	4701-T6210J-04	I.C. TLP621 TOSHIBA (PHOTO TRANSISTOR)	1
63	4703-L76810-54	I.C. LA76810A/HA SANYO (IIC BUS SIGNAL)	1
64	4703-L8628B-42	I.C. LC863328B-53J5 SANYO(8-BIT CPU)	1
65	4707-L7805E-03	I.C. L7805CV SGS (STABILIZING)	2
66	4707-L7812E-03	I.C. L7812CV SGS (STABILIZING)	1
67	4709-KA33VT-02	I.C. KA33V SAM SUNG (VT) (TAPE TYPE)	1
68	4727-A2408A-08	I.C. AT24C08A-10PI-2.7 ATMEL (8K 2-WIRES	1
69	4734-PC1230-04	I.C. PC123 SHARP (PHOTO TRANSISTOR)	1
70	4800-029100-00	CHOKE COIL 91uH	1
71	4800-200389-00	PIF COIL 38.9MH FOR IC TDA2549	1
72	4834-063000-02	LINE FILTER 30mH x 2	1
73	4847-063000-02	LINE FILTER 30mH x 2	1
74	4900-132752-00	CRYSTAL 32.768KHz JU38 CL:12.5PF	1
75	4900-144342-05	CRYSTAL 4.433619MHz HC-49/U LOADING	1
76	4941-3SW025-00	B/G D/K I SAW FILTER SW02 IF38.9MHz	1
77	4942-3SW025-00	B/G D/K I SAW FILTER SW02 IF38.9MHz	1
78	5112-041000-00	HDT.FOR LOW VOLTAGE	1
79	5124-041000-00	HDT.FOR LOW VOLTAGE	1
80	5134-041000-00	HDT.FOR LOW VOLTAGE	1
81	5134-063587-00	SWITCHING TRANSFORMER EC35 YMX-505-085	1
82	5135-063587-00	SWITCHING TRANSFORMER BCK-35-087B	1
83	5157-063587-00	SWITCHING TRANSFORMER BCK-35-LF01X	1
84	5221-389W14-02	B/G VS TUNER 5V 38.9MHz AGC 4V	1
85	5223-389W14-02	B/G VS TUNER 5V 38.9MHz AGC 4V	1
86	5400-910000-02	WAFER 10mm 2.35mm TJC1-2A 2 PIN	2
87	5400-925000-02	WAFER 2.5mm H X 2 PIN	1
88	5400-925000-04	WAFER 2.5mm H X 4 PIN	2
89	5400-925000-05	WAFER 2.5mm H X 5 PIN	1
90	5400-925000-06	WAFER 2.5mm H X 6 PIN	1
91	5400-950002-05	WAFER 5MM STV5-5A 5 PIN (SILVER)	1
92	6001-350001-00	FUSE T3.15A 250V HOLLYLAND	1
93	6400-030041-00	FERRITE BEAD 3.5 X 1 X 9 W/JUMPER	1

94	6400-030041-01	FERRITE BEAD 3.5 X 1 X 9.5mm PITCH=15mm	1
95	2100011505	3Y11(H)21″CAIHONG A51CPAA00X01 B+112V	1

3Y11-21T07(HI) CONTROL BOARD ASS'Y			
NO	**PART NO**	**PART NAME**	**QTY**
1	2100012459	3Y11-21T07(AI) CONTROL BOARD ASS'Y	1
2	1012-216000-01	LED HOLDER - 4MM	1
3	1320-007007-01	ADHESIVED TAPE CUSHION 7 X 7 X 4 mm	1
4	5302-140038-00	INFRARED RECEIVER HS0038B 38KHz PCM	1
5	5401-420352-04	90 DEGREE PIN04+HOUSING 04(TJC3)+350mm	1
6	5500-110150-00	TSVT.H = 5mm KPT-1105A 4 PINS	6
7	5700-150120-00	LED LIGHT EMISSION 3.1mm RED LONG LEAD	1

3Y11-21T07 F.AV BOARD ASS'Y STEREO			
NO	**PART NO**	**PART NAME**	**QTY**
1	4100-AD7500-T0	CARBON FILM RESIS 75 OHM 1/4W 5%	1
2	4300-BB106E-00	EC.10uF 10V +/-20% (4 X 5mm)	2
3	4300-BB476E-00	EC.47UF 10V +/-20%	1
4	5401-423502-02	90 DEGREE PIN 02+HOUSING 02(TJC3)+500mm	1
5	5401-423502-03	90 DEGREE PIN 03+HOUSING 03(TJC3)+500mm	1
6	5800-G1N07Y-00	P.C BOARD 88X31X1.6MM FOR 21N07-3Y	1
7	6100-161951-21	RCA JACK H=19.5mm RED VERTICAL 3 P W/SW	1
8	6100-161951-41	RCA JACK H=19.5mm YELLOW VERTICAL 3P/SW	1
9	6100-161951-91	RCA JACK H=19.5mm WHITE VERTICAL 3P/SW	1

3Y11-21T07 SPEAKER ASS'Y FOR STEREO			
NO	**PART NO**	**PART NAME**	**QTY**
1	5401-220502-02	HOUSING 02 (TJC3) + 500mm WIRE X 2 1=BLA	2
2	5600-108104-11	SPEAKER 8 OHM 8W MAX 10W 57*165MM	2
F.CAB-#MSG001 W/DIGITAL SOUND 3Y11 ENG			
NO	**PART NO**	**PART NAME**	**QTY**
1	3900-HIPS00-00	HIPS	940
BACK CABINET - DARK GREY #DG001			
NO	**PART NO**	**PART NAME**	**QTY**
1	3900-HIPS00-00	HIPS	2,214.00
3Y11(HI)AV STEREO ASS FOR RCA JACK			
NO	**PART NO**	**PART NAME**	**QTY**
1	2100001697	3Y11-HEAT SINK FOR IC402-3w	1
2	4707-H40530-16	I.C. HCF4053BP SGS (2 CH SWITCH)	1
3	5400-925000-02	WAFER 2.5mm H X 2 PIN	1
3Y11(HI) AV?SWITCH ASS FOR F/REAR AV			
NO	**PART NO**	**PART NAME**	**QTY**
1	4707-H40530-16	I.C. HCF4053BP SGS (2 CH SWITCH)	1
2	5400-925000-02	WAFER 2.5mm H X 2 PIN	1
3	5400-925000-03	WAFER 2.54mm H X 3 PIN	1
3Y11(HI)CRT BOARD ASS FOR 21" 29.1mm			
NO	**PART NO**	**PART NAME**	**QTY**
1	2100001067	3Y11(AI)CRT BOARD ASS FOR 21″ 29.1mm	1
2	4100-DG1040-01	METAL OXIDE FILM RESIS 100K OHM 1W 5%	1
3	4100-DG4750-01	METAL OXIDE FILM RESIS 4.7M OHM 1W 5%	1
4	4100-DH1030-01	METAL OXIDE FILM RESIS 10K OHM 2W 5%	3
5	4300-AR472D-00	CERAMIC CAPACITOR 0.0047uF 1KV +/-10%	1
6	4300-AT102D-00	CERAMIC CAPACITOR 0.001uF 2KV +/-10%	1
7	4300-BJ106E-T0	EC.10UF 250V +/-20%	1
8	4600-A10130-T0	TRANSISTOR 2SA1013 (TAPE TYPE)	1
9	4600-C24822-T0	TRANSISTOR 2SC2482/3DG2482Y (TAPE TYPE)	1
10	4600-C45440-00	TRANSISTOR 2SC4544/3DA4544Y	3
11	5400-900000-01	WAFER 2.35mm 1 PIN	1
12	5401-020402-04	PIN 04 + HOUSING 04 (TJC3) + 400mm	1
13	5401-023542-05	PIN 05 + HOUSING 05 (TJC3) + 540mm SHIEL	1
14	6163-060108-29	CRT SOCKET GZS10-2-108 E/E 15-18KV	1

3Y11(HI)SECAM ASSEMBLY			
NO	**PART NO**	**PART NAME**	**QTY**
1	4703-L76420-16	I.C. LA7642N SANYO (SECAM FORMAT COLOR)	1
3Y11(HI)REAR AV JACK ASS FOR RCA STEREO			
NO	**PART NO**	**PART NAME**	**QTY**
1	26KA-030080-N0	KA 3 X 8	2
2	6100-163154-92	RCA JACK X 3 H-TYPE W/YELLOW,WHITE,RED	2
3Y11-HEAT SINK FOR IC203			
NO	**PART NO**	**PART NAME**	**QTY**
1	1505-299800-06	HEAT SINK (90)	1
2	26BA-030080-N0	BA 3 X 8	1
3	4707-L7805E-03	I.C. L7805CV SGS (STABILIZING)	1
3Y11-HEAT SINK FOR IC301			
NO	**PART NO**	**PART NAME**	**QTY**
1	1505-21T010-03	HEAT SINK (M16)	1
2	26BA-030080-N0	BA 3 X 8	1
3	4703-L78400-07	I.C. LA7840 SANYO (VERTICAL DEFLECTION)	1
3Y11-HEAT SINK FOR IC402-3w			
NO	**PART NO**	**PART NAME**	**QTY**
1	1505-298200-23	HEAT SINK (M6)	1
2	26WM-030080-N0	WM 3 X 8	1
3	4703-L42850-10	I.C. LA4285 SANYO (3W AUDIO OUTPUT)	1
3Y11-HEAT SINK FOR IC602			
NO	**PART NO**	**PART NAME**	**QTY**
1	1505-21T010-02	HEAT SINK (M15)	1
2	26BA-030080-N0	BA 3 X 8	1
3	4704-R66530-05	I.C.STR-G6653 SANKEN (FLYBACK SWITCHING)	1

3Y11-21T07(AI)MAIN BOARD			
NO	**PART NO**	**PART NAME**	**QTY**
1	2100001056	3Y11(AI)AV STEREO ASS FOR RCA JACK	1
2	2100001062	3Y11(AI) AV?SWITCH ASS FOR F/REAR AV	1
3	2100001129	3Y11(AI)SECAM ASSEMBLY	1
4	2100001196	3Y11(AI)REAR AV JACK ASS FOR RCA STEREO	1
5	2901-016032-00	EYELET 1.6 X 3.2 MM	51
6	2901-020030-00	EYELET 2 X 3 MM	6
7	4100-AB1010-T0	CARBON FILM RESIS 100 OHM 1/16-1/6W 5%	12
8	4100-AB1020-T0	CARBON FILM RESIS 1K OHM 1/16-1/6W 5%	7
9	4100-AB1030-T0	CARBON FILM RESIS 10K OHM 1/16-1/6W 5%	26
10	4100-AB1040-T0	CARBON FILM RESIS 100K OHM 1/16-1/6W 5%	3
11	4100-AB1050-T0	CARBON FILM RESIS 1M OHM 1/16-1/6W 5%	1
12	4100-AB1220-T0	CARBON FILM RESIS 1.2K OHM 1/16-1/6W 5%	4
13	4100-AB1230-T0	CARBON FILM RESIS 12K OHM 1/16-1/6W 5%	2
14	4100-AB1520-T0	CARBON FILM RESIS 1.5K OHM 1/16-1/6W 5%	4
15	4100-AB1530-T0	CARBON FILM RESIS 15K OHM 1/16-1/6W 5%	2
16	4100-AB1810-T0	CARBON FILM RESIS 180 OHM 1/16-1/6W 5%	1
17	4100-AB1820-T0	CARBON FILM RESIS 1.8K OHM 1/16-1/6W 5%	2
18	4100-AB2020-T0	CARBON FILM RESIS 2K OHM 1/16-1/6W 5%	3
19	4100-AB2030-T0	CARBON FILM RESIS 20K OHM 1/16-1/6W 5%	1
20	4100-AB2210-T0	CARBON FILM RESIS 220 OHM 1/16-1/6W 5%	1
21	4100-AB2220-T0	CARBON FILM RESIS 2.2K OHM 1/6W 5%	1
22	4100-AB2230-T0	CARBON FILM RESIS 22K OHM 1/8W 5%	2
23	4100-AB2430-T0	CARBON FILM RESIS 24K OHM 1/16-1/6W 5%	2
24	4100-AB3320-T0	CARBON FILM RESIS 3.3K OHM 1/16-1/6W 5%	4
25	4100-AB3330-T0	CARBON FILM RESIS 33K OHM 1/16-1/6W 5%	3
26	4100-AB3340-T0	CARBON FILM RESIS 330K OHM 1/6W 5%	1
27	4100-AB3910-T0	CARBON FILM RESIS 390 OHM 1/6W 5%	1
28	4100-AB3920-T0	CARBON FILM RESIS 3.9K OHM 1/16-1/6W 5%	1
29	4100-AB4700-T0	CARBON FILM RESIS 47 OHM 1/16-1/6W 5%	2
30	4100-AB4720-T0	CARBON FILM RESIS 4.7K OHM 1/16-1/6W 5%	14

3Y11-21T07(AI)MAIN BOARD			
NO	**PART NO**	**PART NAME**	**QTY**
31	4100-AB4730-T0	CARBON FILM RESIS 47K OHM 1/16-1/6W 5%	4
32	4100-AB4750-T0	CARBON FILM RESIS 4.7M OHM 1/16-1/6W 5%	1
33	4100-AB5120-T0	CARBON FILM RESIS 5.1K OHM 1/16-1/6W 5%	3
34	4100-AB5610-T0	CARBON FILM RESIS 560 OHM 1/16-1/6W 5%	4
35	4100-AB5620-T0	CARBON FILM RESIS 5.6K OHM 1/16-1/6W 5%	3
36	4100-AB6800-T0	CARBON FILM RESIS 68 OHM 1/16-1/6W 5%	1
37	4100-AB6810-T0	CARBON FILM RESIS 680 OHM 1/16-1/6W 5%	1
38	4100-AB7500-T0	CARBON FILM RESIS 75 OHM 1/16-1/6W 5%	1
39	4100-AB7520-T0	CARBON FILM RESIS 7.5K OHM 1/16-1/6W 5%	1
40	4100-AB8210-T0	CARBON FILM RESIS 820 OHM 1/16-1/6W 5%	1
41	4100-AB8220-T0	CARBON FILM RESIS 8.2K OHM 1/16-1/6W 5%	1
42	4100-AB8240-T0	CARBON FILM RESIS 820K OHM 1/16-1/6W 5%	1
43	4100-AD0220-T0	CARBON FILM RESIS 2.2 OHM 1/4W 5%	1
44	4100-AD4700-T0	CARBON FILM RESIS 47 OHM 1/4W 5%	1
45	4100-AF0220-T0	CARBON FILM RESIS 2.2 OHM 1/2W 5%	1
46	4100-AF2200-T0	CARBON FILM RESIS 22 OHM 1/2W 5%	1
47	4100-AF2720-T0	CARBON FILM RESIS 2.7K OHM 1/2W 5%	1
48	4100-D11510-T0	METAL OXIDE FILM RESIS 150 OHM 1/4W 1%	1
49	4100-D14820-T0	METAL OXIDE FILM RESIS 4.8K OHM 1/4W 1%	1
50	4300-AF101C-T0	CERAMIC CAPACITOR 100PF 50V +/-5%	1
51	4300-AF102C-T0	CERAMIC CAPACITOR 0.001uF 50V +/-5%	2
52	4300-AF102H-T0	CERAMIC CAPACITOR 0.001uF 50V +80-20%	1
53	4300-AF103H-T0	CERAMIC CAPACITOR 0.01uF 50V +80-20%	11
54	4300-AF104H-T0	CERAMIC CAPACITOR 0.1uF 50V +80-20%	3
55	4300-AF180C-T0	CERAMIC CAPACITOR 18PF 50V +/-5%	2
56	4300-AF221C-T0	CERAMIC CAPACITOR 220PF 50V +/-5%	1
57	4300-AF223H-T0	CERAMIC CAPACITOR 0.022uF 50V +80-20%	1
58	4300-AF471C-T0	CERAMIC CAPACITOR 470PF 50V +/-5%	1
59	4300-AM102D-T0	CERAMIC CAPACITOR 0.001uF 500V +/-10%	4
60	4300-AM222D-T0	CERAMIC CAPACITOR 0.0022uF 500V +/-10%	3
61	4300-AM681D-T0	CERAMIC CAPACITOR 680PF 500V +/-10%	5
62	4300-BC107E-T0	EC.100uF 16V +/-20%(TAPE TYPE)	5
63	4300-BC227E-T0	EC.220uF 16V +/-20%(TAPE TYPE)	2
64	4300-BC337E-T0	EC.330uF 16V +/-20%(TAPE TYPE)	1
65	4300-BC476E-T0	EC.47uF 16V +/-20% (TAPE TYPE)	2
66	4300-BD106E-T0	EC.10uF 25V +/-20% (TAPE TYPE)	1
67	4300-BD107E-T0	EC.100uF 25V +/-20%(TAPE TYPE)	1
68	4300-BD227E-T0	EC.220uF 25V +/-20%(TAPE TYPE)	2
69	4300-BD477E-T0	EC.470uF 25V +/-20%(TAPE TYPE)	1
70	4300-BE107E-T0	EC.100uF 35V +/-20%(TAPE TYPE)	1
71	4300-BE227E-T0	EC.220uF 35V +/-20%(TAPE TYPE)	1
72	4300-BF105E-T0	EC.1uF 50V +/-20%	11
73	4300-BF106E-T0	EC.10uF 50V-63V +/-20%	4

3Y11-21T07(AI)MAIN BOARD			
NO	**PART NO**	**PART NAME**	**QTY**
74	4300-BF225E-T0	EC. 2.2uF 50V +/-20%	2
75	4300-BF335E-T0	EC.3.3uF 50V-100V +/-20%	1
76	4300-BF475E-T0	EC.4.7uF 50V-100V +/-20%	1
77	4300-BF476E-T0	EC.47uF 50V +/-20%	3
78	4300-EF104D-T0	MPFC.0.1UF 63-100V +/-10%	6
79	4300-EF224D-T0	MPFC.0.22UF 63-100V +/-10%	1
80	4300-EF334D-T0	MPFC.0.33uF 63-100V +/-10%	1
81	4300-EF474D-T0	MPFC.0.47UF 63-100V +/-10%	4
82	4300-LF105C-T0	1uF 50V +/-5% (TAPE TYPE)	2
83	4300-MG102D-T0	MYLAR CAPACITOR 0.001uF 100V +/-10%	1
84	4300-MG103D-T0	MYLAR CAPACITOR 0.01UF 100V +/-10%	2
85	4300-MG153D-T0	MYLAR CAPACITOR 0.015UF 100V +/-10%	1
86	4300-MG182D-T0	MYLAR CAPACITOR 0.0018UF 100V +/-10%	1
87	4300-MG223D-T0	MYLAR CAPACITOR 0.022uF 100V +/-10%	1
88	4300-MG333D-T0	MYLAR CAPACITOR 0.033uF 100V +/-10%	2
89	4300-MG562D-T0	MYLAR CAPACITOR 0.0056uF 100V +/-10%	1
90	4300-NF150C-T0	NCC.15PF 50V +/-5%	2
91	4500-140070-T0	NRD. 1N4007 (TAPE TYPE)	1
92	4500-141481-T0	NRD. 1N4148 150mA/100V	8
93	4500-215800-T0	HSRD. BA158 600V/1A	7
94	4500-400036-T5	ZENER DIODE 3V6 1/2W +/-5% (TAPE TYPE)	1
95	4500-400051-T5	ZENER DIODE 5V1 1/2W +/-5% (TAPE TYPE)	2
96	4500-400056-T5	ZENER DIODE 5V6 1/2W +/-5% (TAPE TYPE)	2
97	4500-400082-T5	ZENER DIODE 8V2 1/2W +/-5% (TAPE TYPE)	3
98	4600-A09660-T0	TRANSISTOR 2SA966Y (TAPE TYPE)	1
99	4600-A10150-T0	TRANSISTOR 2SA1015Y\2PA1015 (TAPE TYPE)	1
100	4600-C18150-T0	TRANSISTOR 2SC1815Y/2PC1815 (TAPE TYPE)	11
101	4600-C22160-T0	TRANSISTOR 2SC2216 (TAPE TYPE)	1
102	4600-C24822-T0	TRANSISTOR 2SC2482/3DG2482Y (TAPE TYPE)	1
103	4600-C27170-T0	TRANSISTOR 2SC2717 (TAPE TYPE)	1
104	4795-L78L09-T3	I.C. LM78L09 HTC KOREA (POSITIVE VOLTAGE	1
105	4800-010082-T0	PEAKING COIL 0.82uH (TAPE TYPE)	1
106	4800-011500-T0	PEAKING COIL 15uH +/-10% (TAPE TYPE)	1
107	5800-A3Y111-01	MAIN P.C.BOARD 304 X 246 X 1.6mm 3Y11	1
108	5900-G40106-00	COPPER JUMPER 0.6MM DIA. L=40mm	116
109	2100011506	3Y11(A)21″CAIHONG A51CPAA00X01 B+112V	1

3Y11(H)21"CAIHONG A51CPAA00X01 B+112V			
NO	**PART NO**	**PART NAME**	**QTY**
1	2100001701	HEAT SINK FOR Q302	1
2	4100-DG1010-01	METAL OXIDE FILM RESIS 100 OHM 1W 5%	1
3	4100-DH0100-01	METAL OXIDE FILM RESIS 1 OHM 2W 5%	1
4	4100-DH0390-01	METAL OXIDE FILM RESIS 3.9 OHM 2W 5%	1
5	4100-DH1810-01	METAL OXIDE FILM RESIS 180 OHM 2W 5%	1
6	4100-DH4710-01	METAL OXIDE FILM RESIS 470 OHM 2W 5%	1
7	4100-KZ1800-02	P.T.C. RESISTOR 18 OHM +/-20%	1
8	4300-DL274C-00	PFC.0.27UF 400V +/-5%	1
9	4300-EF334C-00	MPFC.0.33UF 63-100V +/-5%	1
10	4300-ET152C-00	MPPFC.0.0015uF 2KV +/-5%	1
11	4300-ET762C-00	MPPFC.0.0076uF 2KV +/-5%	1
12	4800-021053-00	CHOKE COIL 105uH	1
13	4800-044402-13	LINEAR COIL 44uH 13mm/PITCH=5mm	1
14	5131-051101-25	21″ FLYBACK TRANSFORMER BSC25-N1629	1

3Y11-21T07(AI) CONTROL BOARD ASS'Y			
NO	**PART NO**	**PART NAME**	**QTY**
1	4100-AD1000-T0	CARBON FILM RESIS 10 OHM 1/4W 5%	1
2	4100-AD1020-T0	CARBON FILM RESIS 1K OHM 1/4W 5%	1
3	4100-AD1530-T0	CARBON FILM RESIS 15K OHM 1/4W 5%	1
4	4100-AD2220-T0	CARBON FILM RESIS 2.2K OHM 1/4W 5%	1
5	4100-AD2720-T0	CARBON FILM RESIS 2.7K OHM 1/4W 5%	1
6	4100-AD3330-T0	CARBON FILM RESIS 33K OHM 1/4W 5%	1
7	4100-AD3920-T0	CARBON FILM RESIS 3.9K OHM 1/4W 5%	1
8	4100-AD5620-T0	CARBON FILM RESIS 5.6K OHM 1/4W 5%	1
9	4100-AD8210-T0	CARBON FILM RESIS 820 OHM 1/4W 5%	1
10	4100-AD8220-T0	CARBON FILM RESIS 8.2K OHM 1/4W 5%	1
11	4300-AF223H-T0	CERAMIC CAPACITOR 0.022uF 50V +80-20%	1
12	5800-D1T07P-01	KEY 6 P.C.BOARD 200X25X1.6MM FOR 21T07-3	1
13	5900-G40106-00	COPPER JUMPER 0.6MM DIA. L=40mm	1

3Y11-HEAT SINK FOR IC402-3w			
NO	**PART NO**	**PART NAME**	**QTY**
1	1505-298200-23	HEAT SINK (M6)	1
2	26WM-030080-N0	WM 3 X 8	1
3	4703-L42850-10	I.C. LA4285 SANYO (3W AUDIO OUTPUT)	1
3Y11(AI)CRT BOARD ASS FOR 21" 29.1mm			
NO	**PART NO**	**PART NAME**	**QTY**
1	4100-AB1030-T0	CARBON FILM RESIS 10K OHM 1/16-1/6W 5%	2
2	4100-AB4720-T0	CARBON FILM RESIS 4.7K OHM 1/16-1/6W 5%	1
3	4100-AD1030-T0	CARBON FILM RESIS 10K OHM 1/4W 5%	1
4	4100-AD1510-T0	CARBON FILM RESIS 150 OHM 1/4W 5%	3
5	4100-AD1820-T0	CARBON FILM RESIS 1.8K OHM 1/4W 5%	3
6	4100-AD2710-T0	CARBON FILM RESIS 270 OHM 1/4W 5%	3
7	4100-AF1520-T0	CARBON FILM RESIS 1.5K OHM 1/2W 5%	1
8	4100-BF2720-T0	C.COMPOSITION RESIS 2.7K OHM 1/2W 5%	3
9	4300-AF471C-T0	CERAMIC CAPACITOR 470PF 50V +/-5%	3
10	4300-BC477E-T0	EC.470uF 16V +/-20%(TAPE TYPE)	1
11	4300-BF106E-T0	EC.10uF 50V-63V +/-20%	1
12	4500-215800-T0	HSRD. BA158 600V/1A	2
13	5800-C3Y111-01	CRT P.C.BOARD 98X78X1.6mm FOR 3Y11	1
14	5900-G40106-00	COPPER JUMPER 0.6MM DIA. L=40mm	1
3Y11(AI)AV STEREO ASS FOR RCA JACK			
NO	**PART NO**	**PART NAME**	**QTY**
1	4100-AB1020-T0	CARBON FILM RESIS 1K OHM 1/16-1/6W 5%	1
2	4100-AB1030-T0	CARBON FILM RESIS 10K OHM 1/16-1/6W 5%	5
3	4100-AB4720-T0	CARBON FILM RESIS 4.7K OHM 1/16-1/6W 5%	1
4	4100-AF0220-T0	CARBON FILM RESIS 2.2 OHM 1/2W 5%	1
5	4300-BD107E-T0	EC.100uF 25V +/-20%(TAPE TYPE)	1
6	4300-BD227E-T0	EC.220uF 25V +/-20%(TAPE TYPE)	1
7	4300-BF105E-T0	EC.1uF 50V +/-20%	3
8	4300-BF335E-T0	EC.3.3uF 50V-100V +/-20%	1
9	4300-EF104D-T0	MPFC.0.1UF 63-100V +/-10%	1
10	4300-MG102D-T0	MYLAR CAPACITOR 0.001uF 100V +/-10%	1
11	4300-MG153D-T0	MYLAR CAPACITOR 0.015UF 100V +/-10%	1
12	4600-C18150-T0	TRANSISTOR 2SC1815Y/2PC1815 (TAPE TYPE)	1
13	5900-G40106-00	COPPER JUMPER 0.6MM DIA. L=40mm	5

3Y11(AI)AV STEREO ASS FOR RCA JACK			
NO	**PART NO**	**PART NAME**	**QTY**
1	4100-AB1020-T0	CARBON FILM RESIS 1K OHM 1/16-1/6W 5%	1
2	4100-AB1030-T0	CARBON FILM RESIS 10K OHM 1/16-1/6W 5%	1
3	4300-AF103H-T0	CERAMIC CAPACITOR 0.01uF 50V +80-20%	1
4	4600-C18150-T0	TRANSISTOR 2SC1815Y/2PC1815 (TAPE TYPE)	1
5	5900-G40106-00	COPPER JUMPER 0.6MM DIA. L=40mm	2
3Y11(AI)SECAM ASSEMBLY			
NO	**PART NO**	**PART NAME**	**QTY**
1	4100-AB1020-T0	CARBON FILM RESIS 1K OHM 1/16-1/6W 5%	1
2	4100-AB1510-T0	CARBON FILM RESIS 150 OHM 1/6W 5%	1
3	4100-AB3020-T0	CARBON FILM RESIS 3K OHM 1/16-1/6W 5%	1
4	4100-AB4720-T0	CARBON FILM RESIS 4.7K OHM 1/16-1/6W 5%	2
5	4300-AF103H-T0	CERAMIC CAPACITOR 0.01uF 50V +80-20%	3
6	4300-BC107E-T0	EC.100uF 16V +/-20%(TAPE TYPE)	1
7	4300-BF105E-T0	EC.1uF 50V +/-20%	2
8	4300-BF475E-T0	EC.4.7uF 50V-100V +/-20%	1
9	4300-EF104D-T0	MPFC.0.1UF 63-100V +/-10%	2
10	4300-EF474D-T0	MPFC.0.47UF 63-100V +/-10%	2
11	4300-LF105C-T0	1uF 50V +/-5% (TAPE TYPE)	1
12	4300-MG103D-T0	MYLAR CAPACITOR 0.01UF 100V +/-10%	1
13	4500-400075-T5	ZENER DIODE 7V5 1/2W +/-5% (TAPE TYPE)	1
14	5900-G40106-00	COPPER JUMPER 0.6MM DIA. L=40mm	1
3Y11(AI)REAR AV JACK ASS FOR RCA STEREO			
NO	**PART NO**	**PART NAME**	**QTY**
1	4100-AB5620-T0	CARBON FILM RESIS 5.6K OHM 1/16-1/6W 5%	1
2	4300-BF105E-T0	EC.1uF 50V +/-20%	1
3	4300-EF104D-T0	MPFC.0.1UF 63-100V +/-10%	3
4	4300-MG562D-T0	MYLAR CAPACITOR 0.0056uF 100V +/-10%	1
5	4600-C18150-T0	TRANSISTOR 2SC1815Y/2PC1815 (TAPE TYPE)	1
6	5900-G40106-00	COPPER JUMPER 0.6MM DIA. L=40mm	10
3Y11(A)21"CAIHONG A51CPAA00X01 B+112V			
NO	**PART NO**	**PART NAME**	**QTY**
1	4100-AB6810-T0	CARBON FILM RESIS 680 OHM 1/16-1/6W 5%	1
2	5900-G40106-00	COPPER JUMPER 0.6MM DIA. L=40mm	2
HEAT SINK FOR Q302			
NO	**PART NO**	**PART NAME**	**QTY**
1	1505-21NX00-01	HEAT SINK (M8)	1
2	26BM-030080-N0	BM 3 X 8	1
3	2802-030508-M2	M3 SPRING WASHER	1
4	4601-D24990-00	TRANSISTOR 2SD2499 TOSHIBA (FOR HOR. DE	1
5	4614-D24990-00	TRANSISTOR 3DD2499 FOR HOR. DEFLECTION	1

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